

AMENDMENTS TO THE DRAWINGS:

Replace the sheet of drawings containing Figure 1 with the accompanying Replacement Sheet containing the same figure.

In the Replacement Sheet, reference numbers 100, 104 and 110 have been added, pursuant to the Examiner's request.

REMARKS

In response to the Office Action dated July 3, 2006, Applicant respectfully requests reconsideration and withdrawal of the objections to the disclosure and rejections of the claims.

The drawings were objected to on the grounds that Figure 1 did not include labeling for the sensing front end circuitry 100, synchronization circuitry 110, and the biasing circuit. In response thereto, a replacement sheet of drawings is being provided herewith, in which appropriate reference numbers have been added to identify these elements. The specification has been amended at page 7, to conform with the addition of reference number 104 to identify the bias circuit.

The specification has been revised to correct the use of reference number "280" in connection with switch SW2, to insert reference number "261" on page 12, and correct the spelling of "ion" on page 14.

The Office Action requests Applicant to change all spellings of the word "ionising" to "ionizing". It is respectfully submitted that such changes are not necessary. As set forth in MPEP §608.01, it is not necessary to replace British English spellings with the equivalent American English spellings in U.S. patent applications. Withdrawal of the requirement to change the spelling is respectfully requested.

In response to the objections to the claims, as well as the rejections under 35 U.S.C. §112, the claims have been reviewed and revised, as appropriate, to remove the issues identified in the Office Action.

Claims 1 and 3 were rejected under 35 U.S.C. §102, on the basis of the Polaert patent (U.S. 5,790,749). Claims 1, 2 and 4 were rejected under 35 U.S.C.

§102, on the basis of the Walter et al patent (U.S. 4,260,875). Claims 5-11 were rejected under 35 U.S.C. §103, on the basis of the Walter patent in view of various secondary references.

To clarify the differences between the subject matter of the present application and the prior art represented by the cited references, claim 1 has been amended to recite that the reduction in heating power output is carried out by means of a non-dissipative power reduction scheme using first and second heating elements. Support for this change can be found in the specification, for example beginning at page 8, line 6. Various specific features of the non-dissipative power reduction scheme are recited in new claims 12-17, as well as amended claim 3. The advantages of such a non-dissipative power reduction scheme in a hair dryer include a reduction of wasted power, as well as a decreased amount of wasted heat within the hair dryer, which alleviates the need for extra heat dissipation. The additional features recited in claims 12-17 reduce first harmonics in the course of achieving a non-dissipative power reduction scheme.

It is respectfully submitted that the references applied in the rejections of the claims do not disclose the use of a non-dissipative power reduction scheme in a hair care device having first and second heating elements, as recited in the claims. Reconsideration and withdrawal of the rejections are therefore respectfully requested.

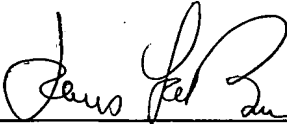
In view of the foregoing, it is respectfully submitted that the application is in condition for allowance, and a Notice to that effect is respectfully solicited.

Respectfully submitted,

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